



West Sussex County Council

A29 REALIGNMENT PHASE 1

Environmental Statement





West Sussex County Council

A29 REALIGNMENT PHASE 1

Revised Environmental Statement

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GLOSSARY OF DEFINED TERMS AND ACRONYMS

DEFINED TERMS

| Term | Definition |
|---------------------|---|
| The Site | The land shown by the red line on Figure 1-3 – Planning Application Site Boundary , being land within which the authorised development may be carried out. |
| The Applicant | West Sussex County Council (in its capacity as Highway Authority and promoter of the Scheme). |
| The EIA Regulations | The Town and Country Planning (Environmental Impact Assessment) Regulations 2017. |
| WSCC | West Sussex County Council (other than in its Highway Authority and promoter of the Scheme role). |

ACRONYMS

| Term | Definition |
|------|-------------------------------------|
| AADT | Average Annual Daily Traffic |
| AAWT | Annual Average Weekday Traffic |
| ADMS | Atmospheric Dispersion Model System |
| AEP | Annual Exceedance Probability |
| AIA | Arboricultural Impact Assessment |
| AM | Ancient Monument |
| AOD | Above Ordnance Datum |
| AONB | Area of Outstanding Natural Beauty |
| AQMA | Air Quality Management Areas |
| ATC | Automatic Traffic Counts |
| BCR | Benefit to Cost Ratio |
| BGL | Below Ground Level |
| BGS | British Geological Survey |
| BNG | Biodiversity Net Gain |
| BNL | Basic Noise Level |

| Term | Definition |
|-----------------|---|
| BPM | Best Practical Means |
| BS | British Standard |
| CDE | Construction, Demolition and Excavation |
| CEA | Cumulative Effects Assessment |
| CEMP | Construction Environmental Management Plan |
| CIEEM | Chartered Institute for Ecological and Environmental Management |
| CO ₂ | Carbon Dioxide |
| CoPA | Control of Pollution Act 1974 |
| CRTN | Calculation of Road Traffic Noise |
| CWS | County Wildlife Site |
| dB | Decibel |
| DCLG | Department for Communities and Local Government (as was) |
| Defra | Department for Environment, Food and Rural Affairs |
| DfT | Department for Transport |
| DMRB | Design Manual for Roads and Bridges |
| EA | Environment Agency |
| EC | European Commission |
| EIA | Environmental Impact Assessment |
| EQS | Environmental Quality Standards |
| ES | Environmental Statement |
| EU | European Union |
| GHG | Greenhouse Gas |
| GIS | Geographical Information System |
| GLVIA | Guidelines for Landscape and Visual Impact Assessment |
| HAWRAT | Highways Agency Water Risk Assessment Tool |
| HGV | Heavy Goods Vehicles |
| HRA | Habitat Regulations Assessment |

| Term | Definition |
|-------------------|---|
| HSE | Health and Safety Executive |
| IAN | Interim Advice Note |
| IAQM | Institute of Air Quality Management |
| ISO | International Standards Organisation |
| JNCC | Joint Nature Conservation Committee |
| LAQM | Local Air Quality Management |
| LNR | Local Nature Reserve |
| LOAEL | Lowest-Observed-Adverse-Effect Level |
| MA&D | Major Accidents and/or Disasters |
| MAGIC | Multi-Agency Geographic Information for the Countryside |
| MHCLG | Ministry of Housing Communities and Local Government |
| MMP | Materials Management Plan |
| NIA | Noise Important Areas |
| NIR | Noise Insulation Regulations (1975) (as amended) (SI 1975/1763) |
| NMU | Non-motorised user |
| NNR | National Nature Reserve |
| NO ₂ | Nitrogen Dioxide |
| NOEL | No Observed Effect Level |
| NO _x | Nitrogen Oxides |
| NPSE | Noise Policy Statement for England |
| NSR | Noise Sensitive Receptor |
| O ₃ | Ozone |
| OBC | Outline Business Case |
| OS | Ordnance Survey |
| PM | Particulate Matter |
| PM ₁₀ | Particulate Matter to 10 Microns |
| PM _{2.5} | Particulate Matter to 2.5 Microns |

| Term | Definition |
|-------------|---|
| PRoW | Public Rights of Way |
| QBAR | Mean Annual Flood |
| RPA | Root Protection Area |
| RSPB | Royal Society for the protection of Birds |
| SAC | Special Areas of Conservation |
| SNCI | Sites of Nature Conservation Importance |
| SOAEL | Significant Observed Adverse Effect Level |
| SPA | Special Protection Area |
| SPI | Species of Principal Importance |
| SPZ | Source Protection Zones |
| SRN | Strategic Road Network |
| SSSI | Site of Special Scientific Interest |
| SuDS | Sustainable Drainage Systems |
| SWMP | Site Waste Management Plan |
| TPO | Tree Preservation Order |
| UK | United Kingdom |
| UKCP09 | UK Climate Projections 2009 |
| UKCP18 | UK Climate Projections 2018 |
| UN/ECE | United Nations Economic Commission for Europe |
| UNFCCC | United Nations Framework Convention on Climate Change |
| WAC | Waste Acceptance Criteria |
| WSCC | West Sussex County Council |

Environmental Statement explanatory note

The Environmental Statement (ES) for the A29 (Phase 1) was prepared in 2019/2020 and submitted as part of a detailed planning application on 21st October 2020.

The consultation period for the Planning Application (ref WSCC/052/20) ran from 28th October 2020 to 28th January 2021.

Following the consultation period, a request under Regulation 25 of the Town and Country Planning (Environmental Impact Assessment) Regulations 2017 was provided, asking for further information to enable the local planning authority to make an informed decision in relation to the Scheme.

Following submission, the detailed design of the Scheme has evolved and addresses some of the information requested within the Regulation 25 request. Where relevant this design evolution is captured within the Revised ES.

Since submission design changes relating to relocation of the substation and amendments to the entrance to the Fordingbridge Industrial Estate (Halo) site, have been made which affect the Red Line Boundary. As these areas fall outside the area assessed within the ES, a separate ES Addendum has been prepared which assesses the impacts associated with the Red Line Boundary changes.

Section 1.4 of this Revised ES provides a detailed description of the following:

- Changes within the Revised ES as a result of design evolution and response to the Regulation 25 request; and
- Changes assessed within the ES Addendum as a result of the red line boundary changes.

1

INTRODUCTION



1. INTRODUCTION

1.1. BACKGROUND

- 1.1.1. West Sussex County Council (referred to as ‘the Applicant’) is seeking to obtain detailed planning permission for the realignment of the A29 (referred to as the ‘Scheme’), to the north of Eastergate and the north-west of Barnham, villages north of Bognor Regis. The location is identified in **Figure 1-1 - Scheme Location Plan** and **Figure 1-2 - Aerial View of the Site** and described further in **Chapter 2: The Existing Site**.
- 1.1.2. The proposed planning application will seek permission for:
- 1.1.3. *“The construction of a 4.3km single carriageway with a 3m wide shared cycleway / footway, ~~one uncontrolled pedestrian crossing to enable users of the PRow to cross the carriageway, three roundabouts, provision of hard and soft landscaping, road markings, traffic signals, bus stops, provision of hard and soft landscaping and signalised pedestrian crossings, construction of a substation building; installation of a noise barrier, and other associated works~~”*
- 1.1.4. The planning application boundary for the Scheme is presented in **Figure 1-3 - Planning Application Boundary**; the area which it encompasses is referred to as ‘the Site’. Further details on the Scheme are presented in **Chapter 3: Description of the Scheme**.
- 1.1.5. The Environmental Statement (ES) is the written output of the Environmental Impact Assessment (EIA) process which has been undertaken in accordance with the Town and Country Planning (Environmental Impact Assessment) Regulations 2017 (Ref. 1.1) (referred to as the ‘the EIA Regulations’). The ES is one of the supporting documents submitted to the determining planning authority, in this case West Sussex County Council (WSCC) (in its capacity as the Local Planning Authority), in support of the planning application.
- 1.1.6. This chapter outlines the legal framework and structure of the ES and supporting documents. A breakdown of the information required by the EIA Regulations is provided in **Table 1-1** alongside guidance on the location of this information within this ES.
- 1.1.7. WSP has been commissioned by the Applicant to carry out the EIA in support of the planning application. This has incorporated technical input from a number of consultants, as outlined in **Table 1-4**.

1.2. DEFINITION OF ENVIRONMENTAL IMPACT ASSESSMENT

- 1.2.1. The term ‘environmental impact assessment’ describes a procedure that must be followed for certain types of projects before they can be given ‘development consent’. The procedure is a means of drawing together, in a systematic way, an assessment of a project’s likely significant environmental effects. This helps to ensure that the importance of the predicted effects and the scope for reducing them are properly understood by the public, statutory consultees and the relevant competent authority before it makes its decision. The aim of EIA is to:

“protect the environment by ensuring that a local planning authority when deciding whether to grant planning permission for a project, which is likely to have significant effects on the environment, does so in the full knowledge of the likely significant effects, and takes this into account in the decision making process” and “ensure that the public are given early and effective opportunities to participate in the decision making procedures.” (Ref. 1.2)

1.3. LEGAL FRAMEWORK FOR THE ENVIRONMENTAL STATEMENT

1.3.1. The EIA Regulations implement the requirements of the EU Directive 2014/52/EU (Ref. 1.3) and require that prior to consent being granted, for certain types of development, an EIA must be undertaken. The EIA Regulations set out the types of development which must always be subject to an EIA (Schedule 1 development) and other developments which may require an assessment if they give rise to likely significant effects (Schedule 2 development).

SCREENING (REGULATIONS 5, 6 AND 7)

1.3.2. The Scheme falls under Part 10(f) of Schedule 2 of the EIA Regulations, as it relates to the construction of roads. At over 1ha, the Scheme exceeds the ‘indicative threshold’ for Part 10(f) development. It also has the potential for significant environmental effect.

1.3.3. A formal Screening Opinion was not sought from WSCC as the Applicant considered that the Scheme would need EIA. Furthermore, WSCC informally advised that the Scheme does require EIA on the basis that:

- The Scheme is close to residential dwellings which have the potential to experience likely significant effects as a result of increases in noise levels;
- The Scheme would require the removal of orchard habitat which has the potential to result in likely significant effects on protected species; and
- There is the potential for likely significant effects due to the cumulative effects on landscape, views and air quality, and from noise, with other nearby reasonably foreseeable developments, identified in the West Sussex Local Plan (Ref. 1.4). These developments include the allocated housing sites at Barnham, Eastergate, Westergate, and Phase 2 of the A29 Realignment.

1.3.4. WSCC also advised that Habitats Regulations Assessment (HRA) screening will be needed due to the proximity of Pagham Harbour Special Protection Area (SPA) and Chichester and Langstone Harbours Ramsar site and SPA.

SCOPING (REGULATION 15)

1.3.5. An EIA Scoping Report was submitted to WSCC on 2nd April 2019 (as presented in Appendix 5.1), together with a formal request for an EIA Scoping Opinion, in accordance with Regulation 15 of the EIA Regulations. A formal Scoping Opinion was subsequently received from WSCC on the 3rd May 2019, as included in Appendix 5.1. Further details on the Scoping Opinion and how it has informed this ES are provided in **Chapter 5: Approach to EIA**.

ENVIRONMENTAL STATEMENT

1.3.6. The findings of the EIA are presented in this ES which has been prepared in accordance with the EIA Regulations as well as planning practice guidance (Ref. 1.4). The ES is provided in three parts:

- Volume 1: Main Text and Figures;
- Volume 2: Technical Appendices; and

- Volume 3: Non-Technical Summary.

1.3.7. Schedule 4 of the EIA Regulations provides details of the information required for inclusion in an ES. **Table 1-1** summarises the requirements and where the information is located in this ES.

Table 1-1 - Location of Required Information within the ES

| | Required Information | Location within this ES |
|---|--|---|
| 1 | Description of the development, including in particular: | |
| | (a) a description of the location of the development | <ul style="list-style-type: none"> ▪ Chapter 2: The Existing Site |
| | (b) a description of the physical characteristics of the whole development, including, where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases | <ul style="list-style-type: none"> ▪ Chapter 3: Description of the Scheme |
| | (c) a description of the main characteristics of the operational phase of the development (in particular any production process), for instance, energy demand and energy used, nature and quantity of the materials and natural resources (including water, land, soil and biodiversity) used | <ul style="list-style-type: none"> ▪ Chapter 3: Description of the Scheme |
| | (d) an estimate, by type and quantity, of expected residues and emissions (such as water, air, soil and subsoil pollution, noise, vibration, light, heat, radiation and quantities and types of waste produced during the construction and operation phases. | <ul style="list-style-type: none"> ▪ Chapter 5: Approach to EIA ▪ Technical Chapters 6 – 13 |
| 2 | A description of the reasonable alternatives (for example in terms of development design, technology, location, size and scale) studied by the developer, which are relevant to the proposed project and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects. | <ul style="list-style-type: none"> ▪ Chapter 4: Consideration of Alternatives |
| 3 | A description of the relevant aspects of the current state of the environment (baseline scenario) and an outline of the likely evolution thereof without implementation of the development as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of environmental information and scientific knowledge. | <ul style="list-style-type: none"> ▪ Chapter 2: The Existing Site ▪ Chapter 5: Approach to EIA ▪ Technical Chapters 6 – 13 |
| 4 | A description of the factors specified in regulation 4(2) likely to be significantly affected by the development: population, human health, biodiversity (for example fauna and flora), land (for example land take), soil (for example organic matter, erosion, compaction, sealing), water (for example hydromorphological changes, quantity and quality), air, climate (for example greenhouse gas emissions, impacts relevant to adaptation), material assets, cultural heritage, including architectural and archaeological aspects, and landscape. | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 <p><i>Unless otherwise justified in Chapter 5: Approach to EIA.</i></p> |
| 5 | A description of the likely significant effects of the development on the environment resulting from, inter alia | |

| | Required Information | Location within this ES |
|---|---|--|
| | a. the construction and existence of the development, including, where relevant, demolition works; | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 |
| | b. the use of natural resources, in particular land, soil, water and biodiversity, considering as far as possible the sustainable availability of these resources; | <ul style="list-style-type: none"> ▪ Chapter 9: Ecology and Nature Conversation ▪ Chapter 11: Water Resources and Flood Risk <p><i>Unless otherwise justified in Chapter 5: Approach to EIA.</i></p> |
| | c. the emission of pollutants, noise, vibration, light, heat and radiation, the creation of nuisances, and the disposal and recovery of waste; | <ul style="list-style-type: none"> ▪ Chapter 6: Air Quality ▪ Chapter 7: Noise and Vibration ▪ Chapter 10: Landscape & Visual <p><i>Unless otherwise justified in Chapter 5: Approach to EIA.</i></p> |
| | d. the risks to human health, cultural heritage or the environment (for example due to accidents or disasters); | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 <p><i>Unless otherwise justified in Chapter 5: Approach to EIA.</i></p> |
| | e. the cumulation of effects with other existing and/or approved projects, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources; | <ul style="list-style-type: none"> ▪ Chapter 14: Cumulative Effects |
| | f. the impact of the project on climate (for example the nature and magnitude of greenhouse gas emissions) and the vulnerability of the project to climate change; | <ul style="list-style-type: none"> ▪ Chapter 3: Description of the Scheme |
| | g. the technologies and the substances used. | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 |
| 6 | A description of the forecasting methods or evidence, used to identify and assess the significant effects on the environment, including details of difficulties (for example technical deficiencies or lack of knowledge) encountered compiling the required information and the main uncertainties involved. | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 |
| 7 | A description of the measures envisaged to avoid, prevent, reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements (for example the preparation of a post-project analysis). That description should explain the extent, to which significant adverse effects on the environment are avoided, prevented, reduced or offset, and should cover both the construction and operational phases. | <ul style="list-style-type: none"> ▪ Technical Chapters 6 – 13 |
| 8 | A description of the expected significant adverse effects of the development on the environment deriving from the vulnerability of the development to risks of major accidents and/or disasters which are relevant to the project concerned. Relevant information available | <p>Not applicable.</p> <p><i>Justified in Chapter 5: Approach to EIA.</i></p> |

| | Required Information | Location within this ES |
|----|---|--|
| | and obtained through risk assessments pursuant to EU legislation such as Directive 2012/18/EU (3) of the European Parliament and of the Council or Council Directive 2009/71/Euratom (4) or UK environmental assessments may be used for this purpose provided that the requirements of this Directive are met. Where appropriate, this description should include measures envisaged to prevent or mitigate the significant adverse effects of such events on the environment and details of the preparedness for and proposed response to such emergencies. | |
| 9 | A non-technical summary of the information provided under paragraphs 1 to 8 | <ul style="list-style-type: none"> ▪ Non-Technical Summary (Volume 3) |
| 10 | A reference list detailing the sources used for the descriptions and assessments included in the environmental statement. | <ul style="list-style-type: none"> ▪ All Chapters |

1.4. REGULATION 25

- 1.4.1. Regulation 25 of the Town and Country Planning (Environmental Impact Assessment) Regulations (EIA Regulations) 2017 allows a planning authority, when dealing with a planning application which is supported by an ES, to request 'further information' if the local planning authority is of the opinion that supplementary additional information is required to allow them to reach a reasoned conclusion on the likely significant effects of the Scheme proposed. A written request for further information under Regulation 25 was received on 3rd February 2021.
- 1.4.2. This revised ES includes information requested under Regulation 25. Deleted text is shown as strikethrough (~~strikethrough~~) and that which has been added is underlined to make identification of changes easier for the reader. It should be noted that since submission of the ES and planning application the detailed design of the Scheme has progressed, the assessment of these changes where the Red Line Boundary is unaffected, is also captured within this Revised ES.
- 1.4.3. The design updates that affect the Red Line Boundary (RLB) are described and assessed within an ES Addendum. The ES Addendum provides assessment of the changes against the key environmental topics, and provides an overall conclusion in relation to the changes to significant effects. Table 1-2 below confirms the changes within the Revised ES. Table 1-3 details the changes affecting the red line boundary assessed in the ES Addendum.
- 1.4.4. The conclusions within this Revised ES incorporate the findings of the ES Addendum.

1.5. ES ADDENDUM

- 1.5.1. Appendix 1.1 (A29-CAP-HGN-00-DR-C-0174 S0-P05) of the ES Addendum shows the new RLB which forms the Application Site Boundary. Appendix 1.2 (A29-WSP-LA-DRG-006) compares the original and the revised RLBs highlighting the three key areas where the RLB has changed. The ES Addendum assesses the impact of these changes on the conclusions of the Revised ES. The three areas include:
- North side of Fontwell Avenue, the area proposed for the substation relocation has changed and the RLB reduced.

- North side of the Scheme east of Fontwell Avenue. The new location for the substation requires extension of the RLB north to accommodate the substation, parking and associated landscaping.
- Amendments to the RLB at the Fordingbridge Industrial Estate (Halo) entrance to align with a proposed fenceline.

1.5.2. The area covered by the RLB remains 11.8ha, any new additional effects of the Scheme are discussed and the impacts assessed in the ES Addendum.

Table 1-2 – Revised ES updates

| Title | Revisions | Drawing Reference Number |
|--|---|---------------------------------|
| <u>Non-Technical Summary</u> | <u>Updated to incorporate design evolution and Reg25 clarifications</u> | |
| <u>Chapter 1 - Introduction</u> | <u>Updated to describe the updates to the Revised ES and Red Line Boundary changes assessed within the ES Addendum</u> | |
| <u>Chapter 2 - Existing Site</u> | <u>Updated to provide additional detail in relation to future baseline.</u> | |
| <u>Chapter 3 - Description of Scheme</u> | <u>Updated to address Reg25 clarifications and design updates including evolution of the landscape design and rotation of Pond 4.</u> | |
| <u>Chapter 4 - Consideration of Alternatives</u> | <u>Updated to address Reg25 clarification and general consultation response for further information in relation to alternative design considerations for the acoustic barrier</u> | |
| <u>Chapter 5 - Approach to EIA</u> | <u>Updated to capture Reg25 process</u> | |
| <u>Chapter 6 - Air quality</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 7 - Noise and Vibration</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 8 - Transport and Access</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 9 - Ecology</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |

| | | |
|--|--|--|
| <u>Chapter 10 – Landscape and Visual Impact Assessment (LVIA)</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 11 - Water Resources</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 12 - Geology and Soils</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 13 - Archaeology and Heritage</u> | <u>Updated to address Reg25 clarifications and additional cumulative effects text</u> | |
| <u>Chapter 14 - Cumulative Effects</u> | <u>Updated to incorporate additional review of cumulative effects</u> | |
| <u>Chapter 15 - Conclusions</u> | <u>(New) Chapter incorporating the findings of the Revised ES and ES Addendum</u> | |
| <u>Appendix 1.1 - Reg 25 Table</u> | <u>(New) Appendix documents the Regulation 25 requests, along with details of how they have been addressed and the Sections within the Revised ES or ES Addendum where the updates have been incorporated.</u> | |
| <u>Appendix 3.1 - Design drawings, including additional details (shows the original RLB)</u> | <u>Updated Site Plan</u> <u>Updated Plan and profile</u> <u>Updated Cross sections</u> <u>Updated Elevations Acoustic Barrier</u> <u>(New) bus stop drawings</u> | <u>A29-CAP-HPN-00-DR-C-0253 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0254 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0255 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0256 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0257 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0175 S0-P05</u> <u>A29-CAP-HPN-00-DR-C-0176 S0-P04</u> <u>A29-CAP-HPN-00-DR-C-0177 S0-P04</u> <u>A29-CAP-HPN-00-DR-C-0178 S0-P05</u> <u>A29-CAP-HPN-00-DR-C-0180 S0-P07</u> <u>A29-CAP-HPN-00-DR-C-0181 S0-P07</u> <u>A29-CAP-HPN-00-DR-C-0182 S0-P07</u> <u>A29-CAP-HPN-00-DR-C-0183 S0-P06</u> <u>A29-CAP-HPN-00-DR-C-0184 S0-P06</u> <u>A29-CAP-HPN-00-DR-C-0252 S0-P01</u> |
| <u>Appendix 3.1a -Site clearance plan</u> | <u>Updated Site Clearance Plans</u> | <u>A29-CAP-HPN-00-DR-C-0246 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0247 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0248 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0249 S0-P01</u> <u>A29-CAP-HPN-00-DR-C-0250 S0-P01</u> |

| | | |
|--|--|--|
| <u>Appendix 3.1b - New sections drawings</u> | <u>(New) Pond access track</u> <u>(New) Fontwell Roundabout</u> <u>(New) Barnham Roundabout</u> <u>(New) Pond 2 cross section</u> <u>(New) Pond 3 cross section</u> <u>(New) Pond 4 cross section</u> | <u>A29-CAP-HPN-00-DR-C-0243 S0-P02</u> <u>A29-CAP-HPN-00-DR-C-0236 S0-P02</u> <u>A29-CAP-HPN-00-DR-C-0237 S0-P02</u> <u>A29-CAP-HPN-00-DR-D-0240 S0-P02</u> <u>A29-CAP-HPN-00-DR-D-0241 S0-P02</u> <u>A29-CAP-HPN-00-DR-D-0242 S0-P02</u> |
| <u>Appendix 3.1c - Swept path drawings</u> | <u>(New) Swept path drawings</u> | <u>A29-CAP-HPN-00-SK-C-0244 S0-P01</u> |
| <u>Appendix 3.2 - Green infrastructure strategy</u> | <u>Not updated</u> | |
| <u>Appendix 3.3 - Landscape strategy</u> | <u>Updated Landscape Strategy (A new landscape drawing showing Original RLB)</u> | <u>A29-CAP-HPN-00-DR-C-0238 S0-P03</u> |
| <u>Appendix 3.4 – Arboriculture Report and Tree Protect Plan</u> | <u>Not updated</u> | |
| <u>Appendix 3.5 - Outline Construction Environmental Management Plan</u> | <u>Updated OCEMP</u> | |
| <u>Appendix 3.6 - Wider landscape plan</u> | <u>(New) Plan</u> | <u>A29-WSP-LA-PL-001</u> |
| <u>Appendix 3.7 - Design standards and departures</u> | <u>(New) Design Standards and Departures Appendix</u> | |
| <u>Appendix 3.8 – Site compounds</u> | <u>(New) Site compounds</u> | <u>A29-CAP-HPN-00-DR-C-0245 S0-P01</u> |
| <u>Appendix 5.1 - Scoping Report</u> | <u>Not updated</u> | |
| <u>Appendix 5.2 - Scoping Opinion</u> | <u>Not updated</u> | |
| <u>Appendix 6.1 - Air quality appendices</u> | <u>Not updated</u> | |
| <u>Appendix 7.1 - Noise monitoring forms</u> | <u>Not updated</u> | |
| <u>Appendix 7.2 - Construction plant and machinery</u> | <u>Not updated</u> | |

| | | |
|--|--|---|
| <u>Appendix 8.1 - Transport assessment</u> | <u>Updated Transport Assessment</u> | |
| <u>Appendix 8.2 - WCHAR</u> | <u>Not updated</u> | |
| <u>Appendix 9.1 - Preliminary Ecological Appraisal</u> | <u>Not updated</u> | |
| <u>Appendix 9.2 - Bats</u> | <u>Not updated</u> | |
| <u>Appendix 9.3 - Badger - restricted</u> | <u>Not updated</u> | |
| <u>Appendix 9.4 - Dormouse</u> | <u>Not updated</u> | |
| <u>Appendix 9.5 - Breeding birds</u> | <u>Not updated</u> | |
| <u>Appendix 9.6 - Wintering birds</u> | <u>Not updated</u> | |
| <u>Appendix 9.7 - Reptiles</u> | <u>Not updated</u> | |
| <u>Appendix 9.8 - GCN survey report</u> | <u>Not updated</u> | |
| <u>Appendix 9.9 – Habitat Regulation Screening Assessment</u> | <u>Not updated</u> | |
| <u>Appendix 9.10 - BNG final assessment</u> | <u>A technical note has been added to the front to note the additional hedgerow included in the revised Landscape Strategy means the Scheme achieves 10% BNG</u> | |
| <u>Appendix 10.1 - LVIA methodology</u> | <u>Not updated</u> | |
| <u>Appendix 10.2 - Lighting assessment Report</u> | <u>Updated to incorporate evolution of the lighting strategy and plans provided by SSE.</u> <u>Includes (new) Appendix B – Outline Lighting Management Scheme</u> | <u>SSE281768-1300-002-G</u> <u>SSE281768-1300-003-E</u> <u>SSE281768-1300-004-E</u> <u>SSE281768-1300-005-E</u> <u>SSE281768-1300-006-F</u> |
| <u>Appendix 10.3 - Planting schedule</u> | <u>Updated Planting Schedule (a new document)</u> | <u>A29-CAP-HPN-00-DR-L-0251 S0-P02</u> |
| <u>Appendix 10.4 – Landscape Management and Maintenance Plan</u> | <u>Updated to incorporate changes to the revised Landscape Strategy and Planting Schedule</u> | |

| | | |
|--|---|--|
| <u>Appendix 11.1 - Flood Risk Assessment</u> | <u>Updated Drainage Strategy included within the FRA and further information provided in relation to CCTV and ground investigations conducted following submission of the 2020 ES</u> | <u>A29-CAP-HDG-00-DR-C-0047 S0-P11</u> |
| <u>Appendix 11.2 - HEWRAT</u> | <u>Not updated</u> | |
| <u>Appendix 11.3 - Watercourse location map</u> | <u>Not updated</u> | |
| <u>Appendix 12.1 - Preliminary Risk Assessment</u> | <u>Not updated</u> | |
| <u>Appendix 13.1 - Archaeological Desk Based Assessment</u> | <u>Not updated</u> | |
| <u>Appendix 13.2 - Geophysical survey (archaeology)</u> | <u>Not updated</u> | |
| <u>Appendix 13.3 - Archaeological mitigation strategy</u> | <u>Not updated</u> | |
| <u>Appendix 13.4 - Archaeological Written Scheme of Investigation (WSI)</u> | <u>Not updated</u> | |
| <u>Appendix 14.1 - Long list of committed developments</u> | <u>Not updated</u> | |
| <u>Appendix 14.2 - Integration Statement in relation to Barratt David Wilson Homes development</u> | <u>(New) Appendix prepared to confirm design intention of the Adjacent Proposed Development to align with A29 Phase 1 Road Scheme.</u> | |

Table 1-3 –ES Addendum Contents

| <u>Title</u> | <u>Description</u> | <u>Details</u> |
|------------------|----------------------------|--|
| <u>Chapter 1</u> | <u>Introduction</u> | <u>Describes the purpose of the document</u> |
| <u>Chapter 2</u> | <u>Proposed Amendments</u> | <u>Describes the three RLB amendments</u> |

| | | |
|---------------------------------|---|--|
| <u>Chapter 3</u> | <u>Appraisal of any Changes in the Likely Significant Effects</u> | <u>Assessment of likely change to assessment of Significant Effects upon:</u> <u>Air Quality</u> <u>Noise and Vibration</u> <u>Transport and Access</u> <u>Ecology and Nature Conservation</u> <u>Landscape and Visual</u> <u>Water Resources and Flood Risk</u> <u>Geology and Soils</u> <u>Archaeology and Heritage</u> <u>Cumulative Effects</u> |
| <u>Chapter 4</u> | <u>Conclusions</u> | |
| <u>ES Addendum Appendix 1.1</u> | <u>New Application Site Red Line Boundary</u> | <u>A29-CAP-HPN-00-DR-C-0174 S0-P05</u> |
| <u>ES Addendum Appendix 1.2</u> | <u>Drawing showing Application Site Red Line Boundary changes from original</u> | <u>A29-WSP-LA-DRG-006 F</u> |
| <u>ES Addendum Appendix 2.1</u> | <u>Site Plan with the new Application Site Boundary</u> | <u>A29-CAP-HPN-00-DR-C-0132 S0-P07</u> <u>A29-CAP-HPN-00-DR-C-0133 S0-P08</u> <u>A29-CAP-HPN-00-DR-C-0134 S0-P07</u> <u>A29-CAP-HPN-00-DR-C-0135 S0-P08</u> <u>A29-CAP-HPN-00-DR-C-0136 S0-P07</u> |
| <u>ES Addendum Appendix 2.2</u> | <u>Substation Cross Sections and Elevations</u> | <u>A29-CAP-HPN-00-DR-C-0235 S0-P02</u> |
| <u>ES Addendum Appendix 2.3</u> | <u>Revised landscape design showing New Application Site Red Line Boundary</u> | <u>A29-CAP-HPN-00-DR-C-0239 S0-P03</u> |

1.6. THE PROJECT TEAM

- 1.6.1. In line with Regulation 18(5)(a) – (b) of the EIA Regulations, the ES and technical assessments which inform it have been undertaken by a suitably qualified project team. **Table 1-4** presents the Project Team for the ES, their associated roles and expertise. The Project Team stated are responsible for the scope, content and assessment of likely significant effects of their respective technical chapters (where relevant).
- 1.6.2. WSP is responsible for the coordination, compilation and procedural review of the ES. WSP is registered under the EIA Quality Mark operated by the Institute of Environmental Management and Assessment (IEMA) which recognises our commitment to excellence in EIA activities. WSP was one

of the original eight pilot organisations in the UK that trialled the process in 2011 and developed the EIA Quality Mark scheme from the former Corporate Registered Assessor process. We have continued to maintain our EIA Quality Mark registration, following annual examination by IEMA in relation to our ongoing products, staff, innovation and promotion of EIA within the industry. WSP has and continues to support and lead nationally recognised guidance for EIA in the UK.



1.6.3. WSP has developed and applies an in-house set of processes, procedures and guidance for EIA based on sound project management principles.

Table 1-4 - The Project Team

| Topic | Competent Expert Evidence |
|---|--|
| EIA Coordination, overarching technical authority for the ES: <ul style="list-style-type: none"> ■ Chapter 1 Introduction ■ Chapter 2 The Existing Site ■ Chapter 3 Description of the Scheme ■ Chapter 4 Consideration of Alternatives ■ Chapter 5 Approach to the EIA ■ Non-Technical Summary | EIA Project Director: Jo North, MSc BSc EIA Project Coordination: Matthew Shepherd MSc MSc PIEMA |
| Chapter 6: Air Quality | Andy Talbot BSc MSc CSci MEnvSc MIAQM PIEMA |
| Chapter 7: Noise and Vibration | Lisa Watt MA, BA (Hons), MIOA |
| Chapter 8: Transport and Access | Alex Georgeson BEng MTPS |
| Chapter 9: Ecology and Nature Conversation | Verity Dickie BSc CIEEM |
| Chapter 10: Landscape and Visual | Christopher Carolan BSc MSc |
| Chapter 11: Water Resources and Flood Risk | Emiliya Stoykova MEng MSc MCIWEM MICRS |
| Chapter 12: Geology and Soils | Matthew Shepherd MSc MSc PIEMA |
| Chapter 13: Archaeology | Authored by: Matthew Shepherd MSc MSc PIEMA Reviewed by: Paul Riggott MSc BA MSc |
| Chapter 14 Cumulative Effects | Jenny Warhurst, MEnvSci (Hons), CRWM Jerome Kreule, MEnvSci, GradIEMA |
| <u>Chapter 15 Conclusions</u> | <u>Authored by: Matthew Shepherd MSc MSc PIEMA</u> <u>Reviewed by: Alan Heatley BA (Hons), DipTP, MSc</u> |

1.7. PLANNING APPLICATION DOCUMENTS

1.7.1. The ES is one of a suite of documents which will support the planning application for the Scheme. The planning application submission comprises the following documents:

- Application Fee, Application Form and Covering Letter;
- The Planning Statement; and
- Appendices including:
 - Planning Policy Table (Appendix A);
 - Minerals Statement (Appendix B);
 - Aerodrome Safeguarding Statement (Appendix C);
 - A29 Consultation Report (Appendix D); and
 - Stage 1 Road Safety Audit and Designers Response (Appendix E).

1.7.2. The Revised Environment Statement (ES) (Volume 1) and the Non-Technical Summary (Volume 3). The Revised ES comprises the following chapters:

- Chapter 1 Introduction;
- Chapter 2 The existing site;
- Chapter 3 Description of Proposal;
- Chapter 4 Consideration of alternatives;
- Chapter 5 Approach to EIA;
- Chapter 6 Air quality;
- Chapter 7 Noise and vibration;
- Chapter 8 Transport and access;
- Chapter 9 Ecology and nature conservation;
- Chapter 10 Landscape and visual;
- Chapter 11 Water resources and flood risk;
- Chapter 12 Geology and soils;
- Chapter 13 Archaeology and heritage;
- Chapter 14 Cumulative effects; and
- Chapter 15 Conclusions.

1.7.3. The following documents are appended to the Revised Environmental Statement (Volume 2):

- Regulation 25 Response (Appendix 1.1)
- Design drawings (Appendix 3.1);
- Site Clearance Plan (Appendix 3.1a);
- New Section drawings (Appendix 3.1b)
- Swept path drawings (Appendix 3.1c)
- Green Infrastructure Strategy (Appendix 3.2);
- Landscape Strategy (Appendix 3.3);
- Arboriculture Report and Tree Protection Plan (Appendix 3.4);
- Outline Construction Environmental Management Plan (Appendix 3.5);
- Wider Landscape Plan (Appendix 3.6);
- Design Standards and Departures (Appendix 3.7);
- Construction Compound Sites (Appendix 3.8);
- Scope Report (Appendix 5.1);

- Scoping Opinion including email clarifications (Appendix 5.2);
- Air Quality and Dust Assessment (Appendix 6.1);
- Noise and Vibration (Appendix 7.1);
- Transport Assessment (Appendix 8.1);
- Walking, Cycling, Horse Riding Assessment Report (Appendix 8.2);
- Preliminary Ecological Appraisal (Appendix 9.1);
- Bat Survey Report Appendix 9.2);
- Badger Survey Report – Restricted (Appendix 9.3);
- Dormouse Survey Report (Appendix 9.4);
- Breeding Bird Survey Report (Appendix 9.5);
- Wintering Bird Survey Report (Appendix 9.6);
- Reptile Survey Report (Appendix 9.7);
- Great Crested Newt Survey Report (Appendix 9.8);
- Habitats Regulations Screening (Appendix 9.9);
- Biodiversity Net Gain Report (Appendix 9.10);
- Landscape and Visual Appraisal Methodology (Appendix 10.1);
- Lighting Assessment (Appendix 10.2) (includes Outline Lighting Management Scheme);
- Planting Schedule (Appendix 10.3);
- Landscape Management and Maintenance Plan (Appendix 10.4);
- Flood Risk Assessment (Appendix 11.1);
- HEWRAT Assessment (Appendix 11.2);
- Watercourses Location Map (Appendix 11.3);
- Contaminated Land Preliminary Risk Assessment Report (Appendix 12.1);
- Archaeological Desk Based Assessment (Appendix 13.1);
- Geophysical Survey (Appendix 13.2);
- Archaeological Mitigation Strategy (Appendix 13.3);
- Written Scheme of Investigation (Appendix 13.4);
- Long list of committed developments (Appendix 14.1); and
- Integration Statement in relation to Barratt Wilson Homes Development (Appendix 14.2).

1.8. REFERENCES

- Reference 1.1: Town and Country Planning (Environmental Impact Assessment) Regulations 2017. Statutory Instrument 2017 No. 571.
- Reference 1.2: Planning Practice Guidance (PPG) Online Tool, Paragraphs 032 and 033. Reference ID: 4-002-20140306. [Online] accessed via <https://www.gov.uk/guidance/environmental-impact-assessment>, 11th March 2020.
- Ref 1.3, European Parliament, 2014, EU Directive 2014/52/EU - Amending Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment
- Reference 1.4: Planning Practice Guidance (PPG) Online Tool. [Online] accessed via <https://www.gov.uk/guidance/environmental-impact-assessment>, 11th March 2020.



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